

**INDUSTRIAL HYGIENIST I**  
**INDUSTRIAL HYGIENIST II**

**Class No. 003163**  
**Class No. 003857**

**DEFINITION:**

To perform technical inspection and professional work in the identification, evaluation, and control of potentially hazardous chemical, physical, and biological agents at county work sites and facilities, and contract agencies; and to perform related work.

**DISTINGUISHING CHARACTERISTICS:**

Positions in this class are found only in the Community Health Division of the Department of Environmental Health. This class series provides inspection, consultation, and educational services to county departments in support of the county's Industrial Hygiene and Hazardous Materials/Waste Information Programs. This series is distinguished from the Hazardous Materials Specialist class series in that the latter is responsible for inspecting and monitoring hazardous waste generators and materials establishments to insure compliance with existing regulations. This series is distinguished from the Loss Prevention Analyst in that the latter develop and implement comprehensive employee safety, health and accident prevention programs, policies, and procedures in a wide variety of occupational areas.

**Industrial Hygienist I:**

This is the first working level class in the series. Under direct supervision, incumbents perform routine inspections to identify, evaluate, and control occupational health hazards at county and contract agencies work sites. This class differs from Industrial Hygienist II in that it performs the least complex inspections and assists higher classes with large and/or complex studies of occupational hazards.

**Industrial Hygienist II:**

This is the fully skilled, journey level class in the series. Under general supervision, incumbents perform inspections of suspected or reported health hazards in county and contract agencies work sites, recommend corrective measures, and prepare and deliver technical training on industrial hygiene and hazardous material/waste issues. This class differs from the next highest class, Supervising Industrial Hygienist, in that the latter is a first line supervisor with responsibility for directing and evaluating the work of subordinate Industrial Hygienists.

**EXAMPLES OF DUTIES:**

Participates in a comprehensive industrial hygiene program by inspecting county work sites and facilities for reported or suspected, hazardous chemical, physical, and biological agents; collects samples of hazardous substances, including asbestos, for laboratory analysis; interprets statistical data and laboratory results and prepares comprehensive technical reports; makes recommendations for the elimination and/or control of hazardous materials or conditions; investigates complaints of unhealthful working conditions and prepares reports of findings; notifies department managers of inspection results and recommendations; assists management with hazard abatement and/or possible elimination methods; and consults with county employees regarding the health effects of specific materials, requirements of regulatory standards, and possible control procedures.

### **Industrial Hygienist II:**

All of the duties listed above and: conducts health hazard evaluations at contract agencies work sites; develops surveillance programs; conducts research on occupational health problems; develops educational program materials; provides technical education and training to employees on occupational health and hazardous materials/waste issues; and provides technical guidance to less experienced industrial hygienist staff.

### **MINIMUM QUALIFICATIONS:**

Knowledge Level:     T = Thorough;     G = General;     -- = Not Applicable

Classification Level:   I     = Industrial Hygienist I  
                                     II     = Industrial Hygienist II

### **Knowledge of:**

#### **I        II**

G	T	Investigation and inspection procedures.
G	T	Various types of monitoring equipment.
G	T	The use of personal protective equipment.
G	T	Methods, techniques and practices used in determining and controlling occupational health hazards.
G	T	Industrial hygiene monitoring and sample collection procedures.
G	T	Laboratory techniques for hazardous materials identification, including asbestos.
G	T	Industrial hygiene and environmental health principles.
G	T	Asbestos Hazards Emergency Response Act (AHERA).
G	T	Cal/OSHA rules and regulations and applicable EPA standards.
G	G	Industrial manufacturing processes, equipment and materials.
G	G	Toxicology and chemistry.

### **Skills and Abilities to:**

**The following skills and abilities apply to both classes.**

- Inspect facilities and/or work sites and identify hazardous conditions and materials, including asbestos.
- Collect and interpret statistical data.
- Analyze laboratory samples and findings.
- Resolve compliance and investigation problems.
- Prepare authoritative findings, technical reports and recommendations.
- Communicate effectively orally and in written form.
- Establish and maintain cooperative working relations with those contacted in the course of work.

### **Industrial Hygienist II (in addition to the above):**

- Prepare and conduct educational programs for county employees on occupational health and safety matters.
- Conduct the more complex and difficult hazardous materials/waste evaluations.
- Analyze legislation dealing with environmental health and determine the impact on the county.

**EDUCATION/EXPERIENCE:**

Education, training, and/or experience which clearly demonstrates possession of the knowledge, skills and abilities stated above. Examples of qualifying education/experience are: a Bachelor's degree from an accredited college or university in industrial hygiene, occupational health, environmental health, chemistry or a closely related field; AND,

**Industrial Hygienist I:**

One (1) year of full-time industrial hygiene work experience, which includes industrial hygiene surveys and asbestos inspections. A master's degree in public, occupational or environmental health, industrial hygiene or in a related discipline may substitute for the year of required experience.

**Industrial Hygiene II:**

Two (2) years of full-time, professional industrial hygiene work experience. Such experience must have included industrial hygiene surveys and asbestos inspections. A Master's degree in a relevant discipline may be substituted for one (1) year of the required experience.

**SPECIAL NOTES, LICENSES, OR REQUIREMENTS:****License:**

A valid California Class C driver's license is required at time of appointment or the ability to arrange transportation for field travel. Employees in this class may be required to use their own personal vehicle.

**Certification:**

Certification by the American Board of Industrial Hygiene as a Certified Industrial Hygienist and EPA certification as a Building Inspector/Management Planner for Asbestos are highly desirable.

**Working Conditions:**

Possible exposure to high noise, dust, mists, fumes, radiation, hazardous chemicals, and asbestos. May be required to wear protective respiratory equipment during the course of work.